



PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0851-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

As the below named inventor(s), I/we declare that:

This declaration is directed to:

The attached application, or
 Application No. _____, filed on _____,
 as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one: Adrian P. Sparks

Signature: A.P. Sparks

Citizen of: United Kingdom

Inventor two: Alan R. Briggs

Signature: A.R. Briggs

Citizen of: United Kingdom

Inventor three: Frederick J. Lalonde

Signature: _____

Citizen of: Canada

Inventor four: H.D. Wade Macleod

Signature: _____

Citizen of: Canada

Additional inventors are being named on 1 additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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FULL NAME OF INVENTOR(S)

Inventor one: Adrian P. Sparks

Signature: _____ Citizen of: United Kingdom

Inventor two: Alan R. Briggs

Signature: _____ Citizen of: United Kingdom

Inventor three: Frederick J. Lalonde

Signature: Frederick J. Lalonde Citizen of: Canada

Inventor four: H.D. Wade Macleod

Signature: H.D. Wade Macleod Citizen of: Canada

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FULL NAME OF INVENTOR(S)

Inventor one: Douglas W. Fisher

Signature: 

Citizen of: Canada

Inventor two: _____

Signature: _____

Citizen of: _____

Inventor three: _____

Signature: _____

Citizen of: _____

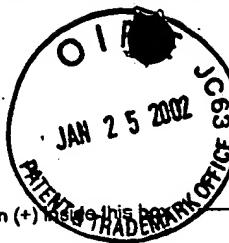
Inventor four: _____

Signature: _____

Citizen of: _____

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PTO/SB/81 (02-01)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	SPARKS, Adrian P.
Title	HYBRID PHOTONIC/ELECTRONIC SWITCHING IN A MULTI-CHANNEL NETWORK
Group Art Unit	
Examiner Name	
Attorney Docket Number	9-13528-160US

I hereby appoint:

 Practitioners at Customer Number

OR

 Practitioner(s) named below:

Name	Registration Number
Robert J. Seas, Jr.	21,092
Richard C. Turner	29,710

Place Customer
Number Bar Code
Label hereas my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all
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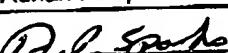
OR

 Firm or
Individual Name **SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC**Address **2100 Pennsylvania Avenue, N.W.,**

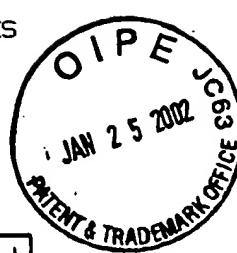
Address

City **Washington** State **D.C.** Zip **20037-3213**Country **United States of America**Telephone **(202) 293 7060** Fax **(202) 293 7860**

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**Name **Adrian P. Sparks**Signature Date **6 November 2002**NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple
forms if more than one signature is required, see below. Total of **5** forms are submitted.

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 Firm or Individual Name

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC

Address

2100 Pennsylvania Avenue, N.W.,

Address

City

Washington

State

D.C.

Zip

20037-3213

Country

United States of America

Telephone

(202) 293 7060

Fax

(202) 293 7860

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SIGNATURE of Applicant or Assignee of Record

Name

Alan R. Briggs

Signature

A-T-R-Briggs

Date

6 November 2001

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PTO/SB/81 (02-01)

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Firm or
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SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC

Address 2100 Pennsylvania Avenue, N.W.,

Address

City Washington State D.C. Zip 20037-3213

Country United States of America

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SIGNATURE of Applicant or Assignee of Record

Name Frederick J. Lalonde

Signature

Date

Nov. 5, 2001

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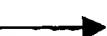
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OR

<input checked="" type="checkbox"/> Firm or Individual Name	SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC		
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Address	2100 Pennsylvania Avenue, N.W.		
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Address			
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Country	United States of America			
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Name	H.D. Wade Macleod
------	-------------------

Signature	H.D. Wade Macleod
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Date	November 1 / 2001
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